



October 26, 2012

File No.: 0916-01  
*SLO Co. File No. DRC2011-00037*

Mr. B. Wayne Hughes, Jr.  
Cantinas Ranch Foundation  
c/o Kirk Consulting  
8830 Morro Road  
Atascadero, California 93422

Attention: Ms. Rachel Kovesdi

**Subject: Review of Engineering Geology Report**

**Project: Cantinas Ranch Camp**  
**(APN 080-011-011, 080-062-023/024/038/039 and 012-211-057/058/059)**  
Lynch Canyon Road, Lake Nacimiento Area of San Luis Obispo County, California

- References:**
1. Engineering Geology Review, Cantinas Ranch, Lynch Canyon Road, APN: 080-062-038, Lake Nacimiento Area, San Luis Obispo County, California, Project No. SL07503-1, prepared by Geosolutions, Inc., dated January 6, 2012 (revised).
  2. Percolation Feasibility Testing Engineering Report, Cantinas Ranch, Lynch Canyon Road, APN: 080-062-038, Lake Nacimiento Area, San Luis Obispo County, California, Project No. SL07503-2, prepared by Geosolutions, Inc., dated August 11, 2011 (revised).
  3. Soils Engineering Report Update, Cantinas Ranch, Lynch Canyon Road, APN: 080-062-038, Lake Nacimiento Area, San Luis Obispo County, California, Project No. SL07503-1, prepared by Geosolutions, Inc., dated October 11, 2011 (revised).
  4. Limited Geotechnical and Geologic Plan Review, Cantinas Ranch, Lynch Canyon Road, APN: 080-062-038, Lake Nacimiento Area, San Luis Obispo County, California, Project No. SL07503-4, prepared by Geosolutions, Inc., dated January 9, 2012.
  5. Preliminary Project Grading & Drainage Plans, Cantinas Ranch Camp, Sheets C.1 through Sheet C.22 of 22 Sheets, prepared by North Coast Engineering, Inc., revised May 11, 2012..

Dear Mr. Hughes:

The purpose of this letter is to summarize our findings of site reconnaissance performed on December 15, 2011, review referenced engineering geology report (Reference 1) and supporting documents (References 2 through 5).

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We reviewed the report (Reference 1) for conformance with San Luis Obispo County Land Use Ordinance (LUO) and the San Luis Obispo County Guidelines for Engineering Geology Reports. It is our opinion that the site geologic conditions are reasonably modeled as represented. Our findings are congruent with the conclusions and recommendations of the revised report prepared by Geosolutions, Inc., dated January 6, 2012.

Itemized recommendation nos. 1 through 12 from the project engineering geology report (pp. 3 & 4, Section 3.0, Reference 1) should be included as conditions of approval prior to the issuance of building permits.

It is our opinion that the project engineering geologic constraints have been adequately characterized and appropriate mitigative measures have been included for CEQA & LUO compliance.

Please contact me at (831) 443-6970 or bpapurello@landseteng.com if you have questions regarding this matter.

Respectfully,  
LandSet Engineers, Inc.



Brian Papurello, CEG 2226



Doc. No. 1210-123.REV

Copies: Addressee (2)  
Mr. B. Wayne Hughes, Jr., Cantinas Ranch Foundation (1)  
Ms. Holly Phipps, San Luis Obispo County Planning & Building Department (1)  
Mr. Jeffrey Pfost, Geosolutions, Inc. (1)  
SLO County Geology files (1)

**SAN LUIS OBISPO COUNTY ENGINEERING GEOLOGY REPORT REVIEW FORM**

The San Luis Obispo County Planning and Building Department uses the following checklist as part of reviewing engineering geology reports. Explanatory notes are appended and keyed to each numbered item.

Checklist item within consulting report	Adequately described: satisfactory	Additional data needed: unsatisfactory
1. Project Description	X	
2. SLO County Geological Study Area Map	X	
3. Site Location	X	
4. Regional Geologic Map	X	
5. Original engineering geologic map of site	X	
6. Aerial photograph interpretation	X	
7. Subsurface site geology	X	
8. Geologic cross sections	X	
9. Active faulting and coseismic deformation across the site	X	
10. Landslides	X	
11. Flooding, severe erosion, deposition	X	
12. On-site septic systems	X	
13. Hydrocollapse of alluvial fan soils	X	
14. Evaluation of historical seismicity and regional faults	X	
15. Characterize and classify geologic site class	X	
16. Probabilistic evaluation of earthquake ground motion	X	
17. Peak ground acceleration for MCE levels of ground motion	X	
18. Site coefficients $F_a$ & $F_v$ and spectral accelerations $S_s$ , $S_1$ , $S_{MS}$ , $S_{M1}$ , $S_{DS}$ & $S_{D1}$	X	
19. Geologic setting for liquefaction analysis	X	
20. Liquefaction methodology	N/A	
21. Bluff erosion	N/A	
22. Tsunami or seiche potential	X	
23. Expansive soil	X	
24. Naturally occurring asbestos	X	
25. Radon and other hazardous gasses	X	
26. Geologic constraints anticipated during grading operations	X	
27. Areas of cut and fill, preparation of the ground, and depth of removals	X	
28. Subdrainage plans for groundwater	N/A	
29. Final grading report and as-built map	N/A	
30. Summary sheet	X	
31. Age of report	X	
32. Engineering geology report signed by CEG	X	